

CONTACT DUPLICATING AND RESEAU PRINTER

AND

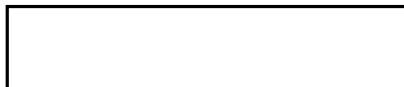
HIGH RESOLUTION STEP AND REPEAT PRINTER

TWENTY-FIRST MONTHLY LETTER REPORT

APRIL 12, 1966

Period: March 1, 1965 to April 1, 1966

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NGA Review
Complete

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1.0

CONTACT DUPLICATING AND RESEAU PRINTER

1.1 Purpose

The over-all objective of the current contract is the design, fabrication, test, and delivery of a Photographic, Step and Repeat, Contact Duplicating and Reseau Printer. Prime design goals are high-speed automatic operation, variable format capability, and high resolution with minimum film distortion or damage. The delivered equipment will be suitable for operational use. The printer will accommodate films of 70mm to 9 $\frac{1}{2}$ " width with frame length up to 30 inches and will provide operation in the resseau mode and selective mode as options.

1.2 Activity of this Report Period

Final assembly of the film transport and electronic wiring of the printer is nearing completion. The dodge circuit modifications have been installed and calibration of exposure-control timing circuits is presently in process in the printer.

The frame separation detector electronic chassis has been completed and is waiting for final checkout prior to installation into the printer.

A trip was made to Washington to present the various alternatives in the design of the frame-separation detector lamp-cell station to the technical monitors. Various samples of fur and synthetic light seals were left for evaluation by the clean-room experts. There were no comments on the station design.

The frame-separation station was subsequently fabricated and is presently undergoing assembly and test on the printer.

Subsystem testing has started approximately one week late due to slippage of vendor deliveries of vital electronic components. It is hoped that this time will be made up as testing progresses.

STAT A meeting at [] on 29 March with [] Director of GIMRADA, and the Technical and Contract Monitors extended the target date to 20 May as a result of component delivery problems. Program will be completed with reimbursement of cost beyond target cost without additional fee. STAT

1.3 Plans for Next Period

Completion of preliminary tests and initiation of final demonstration tests.

1.4 Problems

System tests will be delayed approximately two weeks due to late vendor deliveries. Every attempt is being made to make up this lost time. Contractual status remains unresolved.

1.5 Documentation

There was no new documentation this month.

1.6 Questions Outstanding

There are no outstanding questions.

2.0 HIGH RESOLUTION STEP AND REPEAT PRINTER

2.1 Purpose

The purpose of this effort is to design, fabricate, test and deliver in twenty months a high precision, step and repeat, photographic contact printer. This printer will be capable of producing photographic contact

prints of the highest possible quality, resolution, and acutance from roll films of width varying from 70mm to 9 $\frac{1}{2}$ " and in preselected frame lengths from 5 inches up to a maximum of 30 inches.

2.2 Activity of this Report Period

There was no activity this report period.

2.3 Plans for the next Report Period

There are no new plans for the next report period.

2.4 Problems

Outstanding problem is resolution of contract status.

2.5 Documentation

There was no new documentation this month.

2.6 Questions Outstanding

Basis for resumption of Printer 2 activity has not been established.

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